

FIG. 2

FIGURE3

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START

400

IN A HIERARCHICAL PACKETIZED COMMUNICATION PROTOCOL COMPRISED OF MULTIPLE HIERARCHICAL PROTOCOL LAYERS, COMPARE A RECEIVED IP PACKET DESTINATION ADDRESS RECEIVED ON A FIRST PROTOCOL LAYER WITH A PREDETERMINED IP ADDRESS TO DETERMINE IF THERE IS A MATCH.

403

IF THERE IS AN ADDRESS MATCH:

ON A PACKET BY PACKET BASIS, REDIRECT A PAYLOAD OF THE RECEIVED IP PACKET FROM AN INTERNET NETWORK TO A LOCAL NETWORK BY SUBSTITUTING A SECOND PROTOCOL LAYER ADDRESS FOR THE RECEIVED SECOND PROTOCOL LAYER ADDRESS ASSOCIATED WITH THE RECEIVED IP PACKET

405

INITIATE AN APPLICATION PROGRAM SUCH AS DIAGNOSTICS, HOME CONTROL, PERIPHERAL CONTROL, COMMUNICATION, INTRANET OR OTHER APPLICATION PROGRAM IN RESPONSE TO RECEIVING THE REDIRECTED PAYLOAD. CONCURRENTLY OPERATE ANOTHER APPLICATION PROGRAM SUCH AS A WEB SURFING, EMAIL, OR OTHER COMMUNICATION APPLICATION.

410

END

415

09644327 - 082300

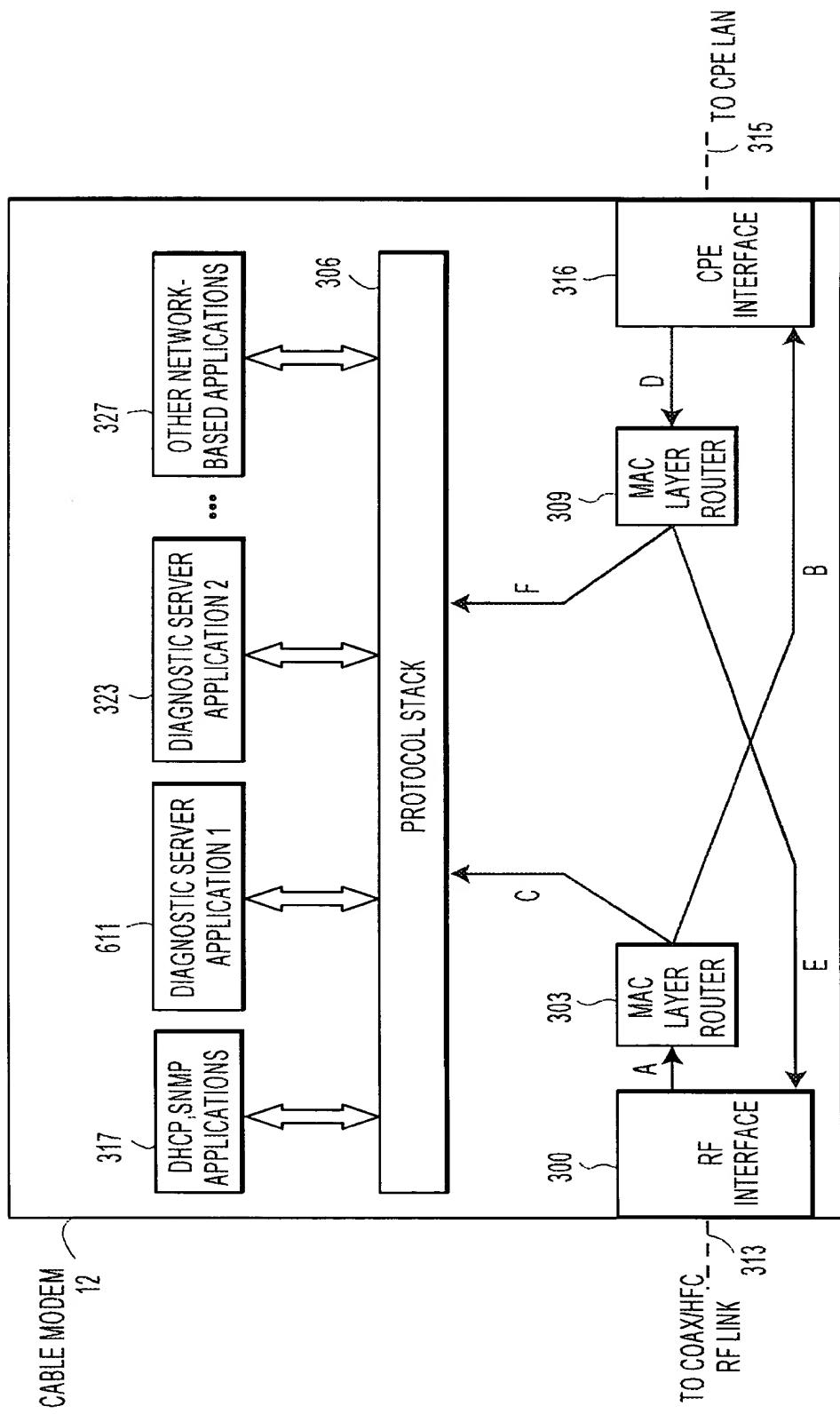


FIG. 4

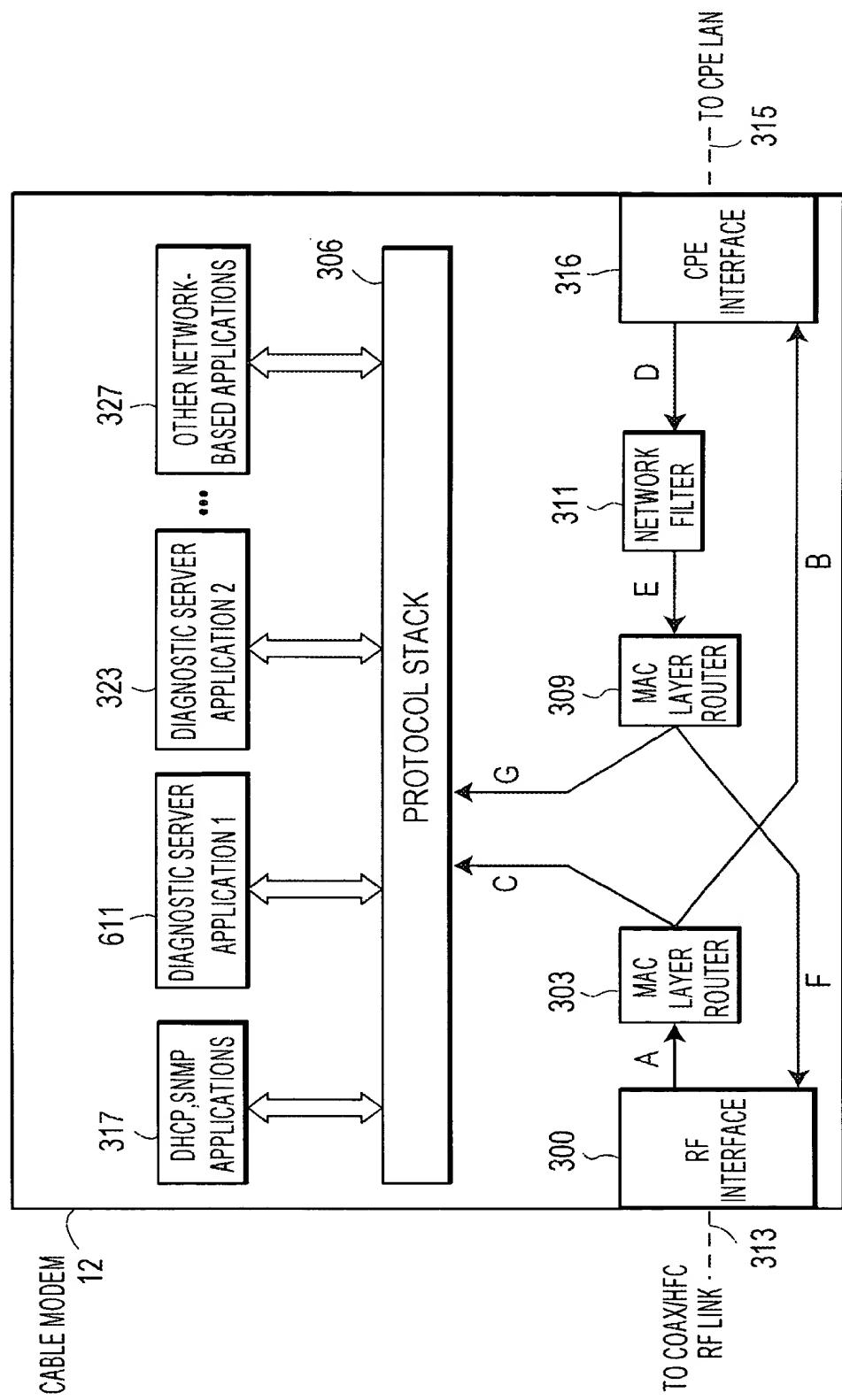


FIG. 5

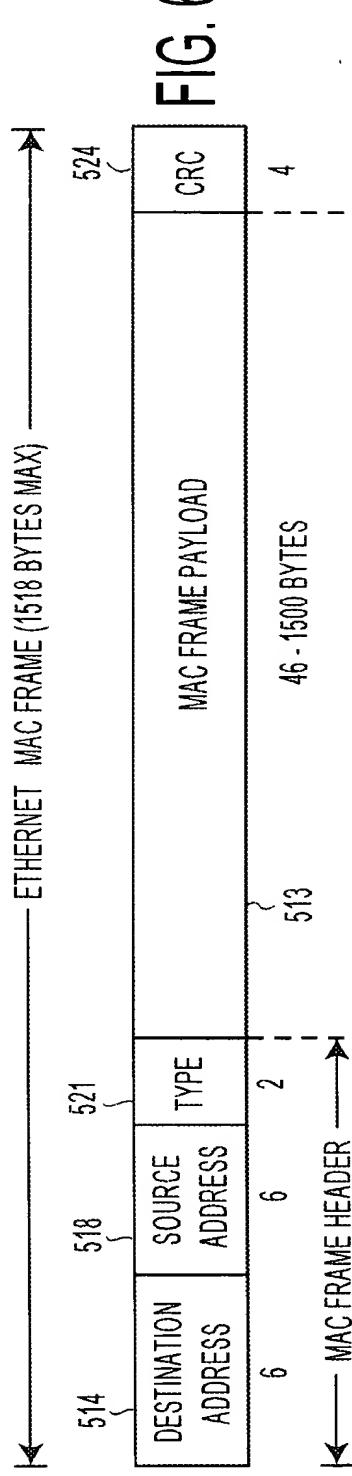


FIG. 6

TYPE 0x0806	ARP REQUEST PACKET
509	511      28 BYTES + 18 BYTES PADDING

FIG. 6B

TYPE 0x0800	IP PACKET
507	505      46 - 1500 BYTES

**FIG. 7**

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